



## **State Revolving Fund Loan Programs**

### **Drinking Water, Wastewater, Nonpoint Source**

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#### **ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT**

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#### **CITY OF FORT WAYNE SEWER SEPARATION AND REHABILITATION PROJECTS STATE REVOLVING FUND PROJECT WW 09 09 02 03**

**DATE: August 12, 2009**

**TARGET PROJECT APPROVAL DATE: September 11, 2009**

#### **I. INTRODUCTION**

The above entity has applied to the Clean Water State Revolving Fund (CWSRF) Loan Program for a loan to finance all or part of the wastewater project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA, which can also be viewed at <http://www.in.gov/ifa/srf/>.

#### **II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)**

The CWSRF has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

#### **III. COMMENTS**

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

**Max Henschen  
Senior Environmental Manager  
State Revolving Fund  
100 N. Senate Ave. IGCN 1275  
Indianapolis, IN 46204  
317-232-8623; mhensche at ifa.in.gov**

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# ENVIRONMENTAL ASSESSMENT

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## I. PROJECT IDENTIFICATION

Project Name and Address:	City of Fort Wayne Sewer Separation & Rehabilitation Projects One East Main Street Fort Wayne, IN 46802
SRF Project Number:	WW 09 09 02 03
Authorized Representative:	Kumar Menon Director of Public Works and Utilities

## II. PROJECT LOCATION

Fort Wayne is located in central Allen County. The sewer separation project locations are shown as symbols 5, 8 and 12 on Figure 1; the sewer rehabilitation/CIPP projects are scattered throughout the city.

**Woodrow /Vance Sewer Separation:** The project area is Wayne Township in the Fort Wayne East USGS 7.5 minute quadrangle, Township 31N, Range 12E, sections 25 and 36, and Fort Wayne West quadrangle, T31N, R12E, section 25. All construction work will take place in street right-of-ways or easements. See Figure 2.

**Smith and Roosevelt Phase II Sewer Separation:** The project area is in Wayne Township in the Fort Wayne East USGS quadrangle, T30N, R12E, SE ¼ of Section 24. All construction work will take place in street rights-of-way or existing easements. See Figure 3.

**Penn Avenue Area Sewer Separation:** The project area is in Washington and Wayne townships, in Fort Wayne West quadrangle, T31N, R12E, SE ¼ of Section 26 and SW ¼ of Section 25. Washington Township is north of Penn Ave., and Wayne Township is south of Penn. All construction work will take place in existing street rights-of-way or existing easements. See Figure 4.

**Sewer Rehabilitation/CIPP Lining:** This project is located at scattered sites throughout Fort Wayne. See Figure 5.

## III. PROJECT NEED AND PURPOSE

Fort Wayne has a combined sewer system with numerous Combined Sewer Overflows (CSOs). In a combined sewer system, both storm water and sanitary wastewater flow into common sewers; that combined flow is meant to be sent to a treatment facility. However, during heavy storms, the flow often exceeds the capacity of the collection system and treatment facility; the excess flow is discharged into streams and rivers through the CSOs. Because of concerns about water quality

and public health related to these discharges, Fort Wayne developed a Long Term Control Plan (LTCP), as required by USEPA and Indiana environmental regulations. The wastewater projects described in this document address CSOs and will meet objectives in the city's LTCP, which has been approved by the Indiana Department of Environmental Management.

The **Woodrow/Vance Sewer Separation** project will separate the combined sewers in the area by (1) installing new storm sewers, (2) installing up to eight water quality Best Management Practices (BMPs) in the form of Low Impact Development bioretention areas to catch surface runoff, and (3) modifying two regulator structures to minimize combined sewer contributions. The sewer separation will reduce the frequency and volume of discharges from CSOs 51, 53, and 68. The project will also eliminate basement backups and street flooding for the design storm. The area is a priority of the city's LTCP.

The **Smith and Roosevelt Phase II Sewer Separation** project to install new storm and sanitary sewers is the culmination of the city's sewer separation efforts in this area to meet the city's LTCP as Control Measure No. 4. The project will reduce rainy weather surcharges, basement flooding and the frequency and volume of discharges from CSO 54.

The **Penn Avenue Area Sewer Separation** project is also part of LTCP Control Measure No. 4. The city will install new storm sewers to reduce the frequency and volume of discharges from CSO 45.

The **Sewer Rehabilitation/CIPP lining** project is part of the city's ongoing evaluation of the collection system. In 1998, to comply with the Nine Minimum Controls as required in the LTCP, the city began a priority-ranking repair program, which assists the city in meeting the LTCP's objectives. This project will address cracked or otherwise compromised sewers which can be rehabilitated by the cured-in place pipe (CIPP) technique, a trenchless technology.

#### **IV. PROJECT DESCRIPTION**

##### **Woodrow/Vance Sewer Separation:**

- Installation of approximately 13,504 feet of 12- to 42-inch diameter storm sewer;
- Construction of approximately eight water quality BMPs in the form of low impact development bio retention areas, and
- Modification of two existing CSO regulator structures.

##### **Smith and Roosevelt Phase II Sewer Separation:**

- Installation of 1,000 feet of 12- to 15-inch diameter storm sewer;
- Installation of 900 feet of 10-inch diameter sanitary sewer, and
- Smoke Testing/ Data Collection
- Infiltration/Inflow Removal

##### **Penn Avenue Area Sewer Separation:**

- Installation of approximately 1,000 feet of 12- and 15-inch storm sewer.

##### **Sewer Rehabilitation/CIPP Lining:**

- The project consists of rehabilitating approximately 23,400 feet of 8- to 24-inch diameter pipe by CIPP.

## V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

### A. Selected Plan Estimated Cost Summary

#### Woodrow/Vance Sewer Separation

##### Construction Costs

Mobilization/Demobilization	\$ 360,000
Traffic Control	35,000
Asphalt and Concrete Road Repairs	305,380
Granular Backfill	304,980
Sidewalks	133,460
Concrete Curbs	36,810
Seeding	1,360
Inlets	315,900
Plug Regulators	12,000
Manholes	428,600
Storm Sewer 12- to 42-inch	1,002,595
Side Street Infiltration Planter	120,540
Pervious Concrete Sidewalk	190,260
Tree Removal	14,000
	<u>\$ 3,260,885</u>
Construction Contingency (10%)	<u>326,100</u>
Construction Sub-Total	\$ 3,586,985

##### Non-Construction Costs

Legal and Accounting	\$ 8,500
Design Engineering	299,250
Construction Engineering and Observation	182,400
Land Acquisition	<u>4,000</u>
Non-construction Sub-Total	\$ <u>494,150</u>

**Woodrow/Vance Sewer Separation Estimated Cost \$ 4,081,135**

#### Smith and Roosevelt Phase II Sewer Separation

##### Construction Costs

Mobilization/Demobilization	\$ 31,000
Traffic Control	6,000
Smoke Testing/Data Collection	27,000
Infiltration/Inflow Elimination	250,000
10-inch Sanitary Sewer	40,500
12- to 15-inch Storm Sewer	52,000
Manholes and Inlets	25,500
Granular Backfill	46,200
Street Removal and Replacement	80,000
Driveway Replacement	10,000
Concrete Curb	25,500
Restoration	14,000
Utilities Adjustments	7,000
Video Taping	<u>2,000</u>
	<u>\$ 617,300</u>
Construction Contingency (10%)	<u>61,800</u>
Construction Sub-Total	\$ 679,100



<b>Non-Construction Costs</b>	
Legal and Accounting	\$ 1,200
Design Engineering	92,600
Construction Engineering and Observation	61,700
Non-Construction Sub-Total	\$ 155,500
<b>Smith and Roosevelt Phase II Sewer Separation Estimated Cost</b>	<b>\$ 834,600</b>

#### **Penn Avenue Area Sewer Separation**

<b>Construction Costs</b>	
Mobilization/Demobilization	\$ 13,500
Traffic Control	5,500
Storm Sewer Pipe	57,500
Granular Backfill	19,240
Unsuitable Fill Removal	24,000
Manholes and Inlets	12,800
Concrete and Asphalt Street Replacement	15,850
Concrete Sidewalk Replacement	210
Restoration	1,000
	\$ 149,600
Construction Contingency (10%)	15,000
Construction Sub-Total	\$ 164,600
<b>Non- Construction Costs</b>	
Legal and Accounting	\$ 300
Design Engineering	40,000
Construction Engineering and Observation	17,600
Non-Construction Sub-Total	\$ 57,900
<b>Penn Avenue Area Sewer Separation Estimated Cost</b>	<b>\$ 222,500</b>

#### **Sewer Rehabilitation/CIPP Lining**

<b>Construction Costs</b>	
CIPP Lining, 8- to 24-inch	\$ 851,881
Lateral Reinstatements	87,500
Televising	4,000
Traffic Control	10,000
Mobilization/Demobilization	29,000
	\$ 982,381
Construction Contingency (10%)	98,300
Construction Sub-Total	\$ 1,080,681
<b>Non-Construction Costs</b>	
Legal and Accounting	\$ 2,000
Design Engineering	5,000
Construction Engineering and Observation	74,000
Non-Construction Sub-Total	\$ 81,000
<b>Sewer Rehabilitation/CIPP Lining Total Cost</b>	<b>\$ 1,161,681</b>

**Total Estimated Cost for All Four Projects \$ 6,295,916**

- B. Land acquisition (\$4,000)** in the Woodrow/Vance project is ineligible for funding from the State Revolving Fund (SRF) Loan Program. Fort Wayne will finance the eligible project items with a 20-year loan from the SRF Loan Program at an interest rate determined at loan closing. Monthly user rates and charges may need to be analyzed further to determine if any adjustments are required for debt service.

## **VI. DESCRIPTION OF EVALUATED ALTERNATIVES**

**No Action:** The no-action alternative would result in noncompliance with the city's LTCP and would subject the city to possible regulatory action. For these reasons, this alternative was not considered.

**Optimum Operation:** The city operates the collection system as effectively as possible, but the collection system cannot handle the peak flow rate and total volume of wastewater collected during storm events. Operational efficiencies do not negate the need to rehabilitate and remove storm water from the collection system. Therefore, the option of optimum operation alone was rejected.

**Selected Plan:** The city has chosen to implement the projects described above in Section IV. The projects will reduce frequency and volume of CSO discharges from CSOs 45, 51, 53, 54, and 68.

## **VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES**

### **A. Direct Impacts of Construction and Operation**

**Undisturbed/Disturbed Land:** The projects will be constructed in previously disturbed street rights-of-way or in previously disturbed easements. Archaeological surveys of the Woodrow/Vance, Smith & Roosevelt, and Penn Ave. project areas did not locate archaeological materials.

**Surface Waters, Groundwater and Wetlands** (Figures 2 through 5): The projects will not affect surface waters or wetlands.

**Structural Resources** (Figures 6, 7, 8, and 9a, 9b, 9c, 9d, 9e and 9f): The project will not will not alter, demolish or remove historic properties. Any visual, audible or atmospheric effects will be temporary. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

**100-Year Floodplain:** The projects will not affect the 100-year floodplain.

**Plants and Animals:** Approximately 28 trees will be removed to install sanitary and storm sewers in the Woodrow/Vance Sewer Separation project; the trees will be replaced. Two or three trees may be removed in the Smith & Roosevelt project. In the Penn Ave. project, a 12-inch storm sewer will be installed by directional drilling under the trees on the river bank to connect with an existing storm sewer.

**Prime Farmland:** The proposed projects will not affect prime farmland.

**Air Quality:** Air quality will be temporarily impacted by construction activities, including vehicle exhaust and dust.

**Open Space and Recreational Opportunities:** The proposed projects will neither create nor destroy open space and recreational opportunities.

The proposed projects will not affect National Natural Landmarks or the Lake Michigan Coastal Zone.

## **B. Indirect Impacts**

The city's Preliminary Engineering Report (PER) states: *the City will ensure through the authority of its Council, planning commission, or other means, that future development, as well as future distribution system or treatment works projects connecting to the SRF-funded facilities, will not adversely impact wetlands, archaeological/historical/structural resources, or other sensitive environmental resources. The City will require new development and treatment works projects to be constructed within the guidelines of the US Fish and Wildlife, IDNR, IDEM, and other environmental review authorities.*

## **C. Comments from Environmental Review Authorities**

The Natural Resources Conservation Service, in correspondence dated January 29, 2009 stated: *The project to make...sewer collection system improvements...will not cause a conversion of prime farmland.*

The State Historic Preservation Officer (SHPO) has commented on three of the proposed projects. In correspondence dated March 5, 2009, regarding the Woodrow/Vance project and April 17, 2009, regarding the Smith & Roosevelt project, the SHPO stated: *Based on our analysis, it has been determined that no historic properties will be altered, demolished, or removed by the proposed project. We concur with the archaeological report that no further archaeological investigations are necessary.*

In correspondence dated May 27, 2009 regarding the Penn Ave. project, the SHPO stated: *Based on our analysis, it has been determined that no historic properties will be altered, demolished, or removed by the proposed project provided that the proposed project activities remain within areas disturbed by previous construction or in areas subjected to archaeological investigations (Graham/McCullough, 3/16/09). We concur with the archaeological report that no currently known archaeological resources eligible for inclusion in the National Register of Historic Places have been recorded within the proposed project area. No further archaeological investigations appear necessary.*

This document is the first notice to the SHPO describing the Sewer Rehabilitation/CIPP Lining project, as well as the first notice to the U.S. Fish and Wildlife Service and the IDNR Environmental Unit describing all the projects.

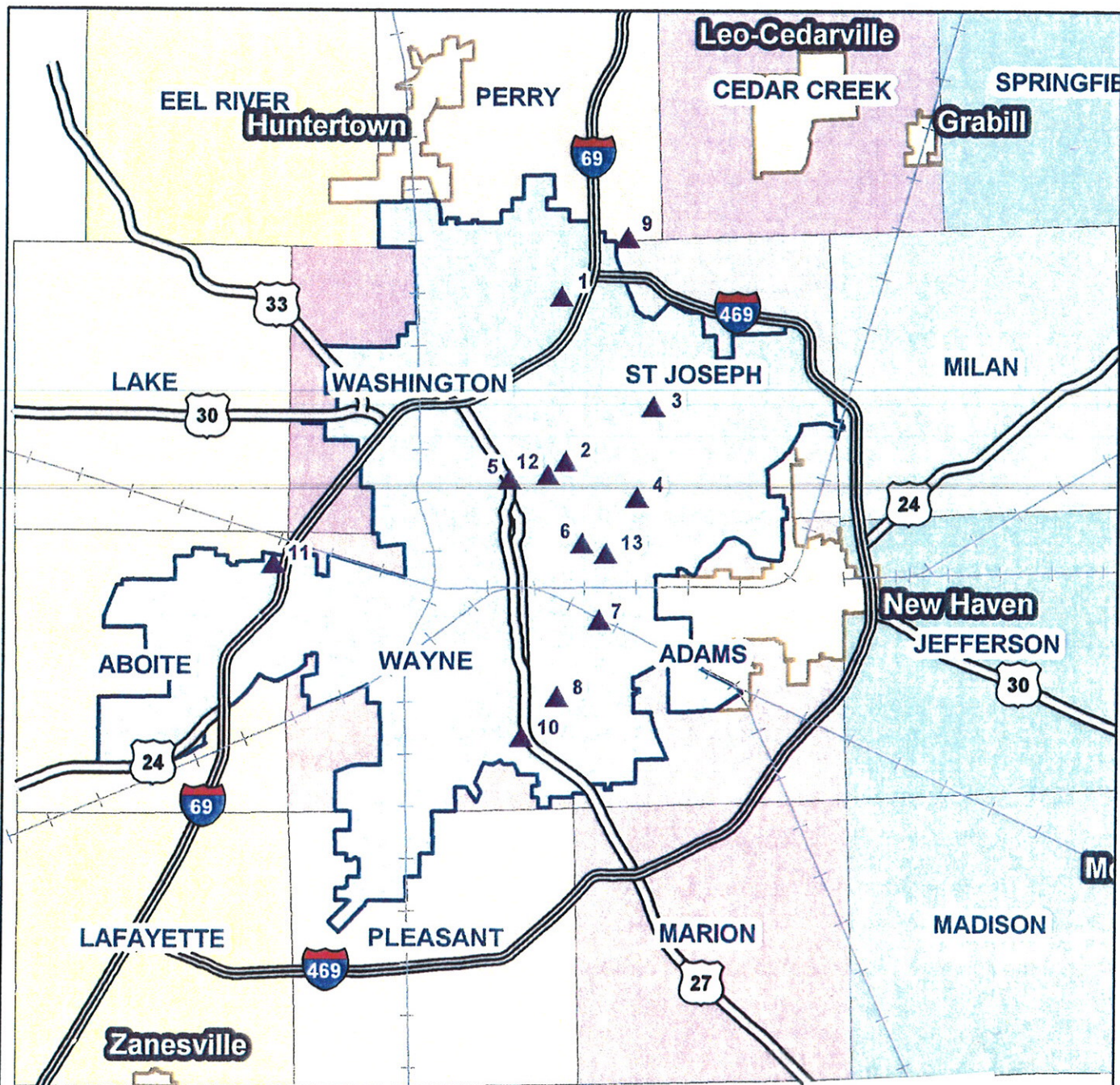
## VIII. MITIGATION MEASURES

The city's PER, states: The project will be designed and implemented to minimize soil erosion and mitigation measures cited in comment letters from governing agencies will be implemented. *The construction and operation of the proposed projects will not negatively impact state and federal listed endangered species or their habitat. The projects will be implemented to minimize the impact to non-endangered species and their habitat. Mitigation measures cited in comment letters from IDNR, and the U.S. Fish and Wildlife Service will be implemented.*

## IX. PUBLIC PARTICIPATION

A properly noticed Public Hearing was held on March 4, 2009 at 10:00 am at the City County Building, Omni Room, One East Main Street. The city did not receive written comments in the 5-day period following the public hearing.





**FIGURE 1**

ID	LOCATION	TOWNSHIP/ RANGE	SECTION NUMBER	USGS QUAD
1	Beckett's Run	T31N R13E	7	Cedarville
2	Early Floatables	T31N R13E	30	Fort Wayne East
3	Greentree Sewer Reroute	T31N R13E	21	Cedarville
4	NE Bash	T31N R13E	32	Fort Wayne East
5	Penn and Clinton	T31N R12E	26	Fort Wayne West
6	Pond Storage and Dewatering	T30N R13E	6	Fort Wayne East
7	SE Basin	T30N R13E	18	Fort Wayne East
8	Smith and Roosevelt	T30N R12E	24	Fort Wayne East
9	Upper Ely	T32N R12E	36	Cedarville
10	Warfield	T30N R12E	26	Fort Wayne West
11	Westlawn	T30N R11E	1	Fort Wayne West
12	Woodrow	T31N R12E	25	Fort Wayne East
13	WPCP	T30N R13E	6	Fort Wayne East
***	Sewer Rehab	Multiple	Multiple	Multiple

▲ Project Locations

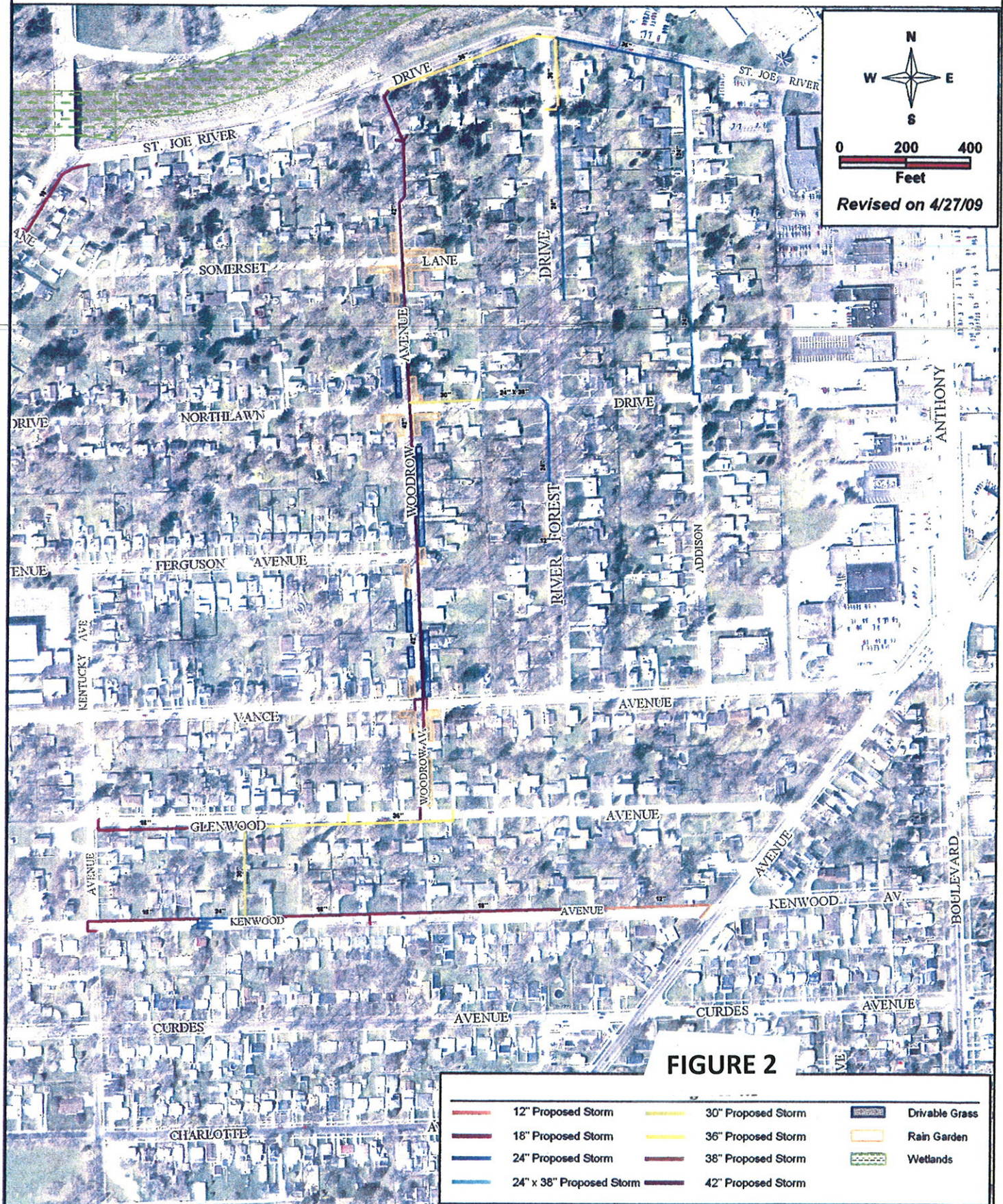


APR - 20 - 2009





# WOODROW AND VANCE AREA SEWER SEPARATION CSSCIP - PARTIAL SEPARATION



*Wetlands*



# SMITH/ROOSEVELT PHASE II CSSCIP - PARTIAL SEPARATION

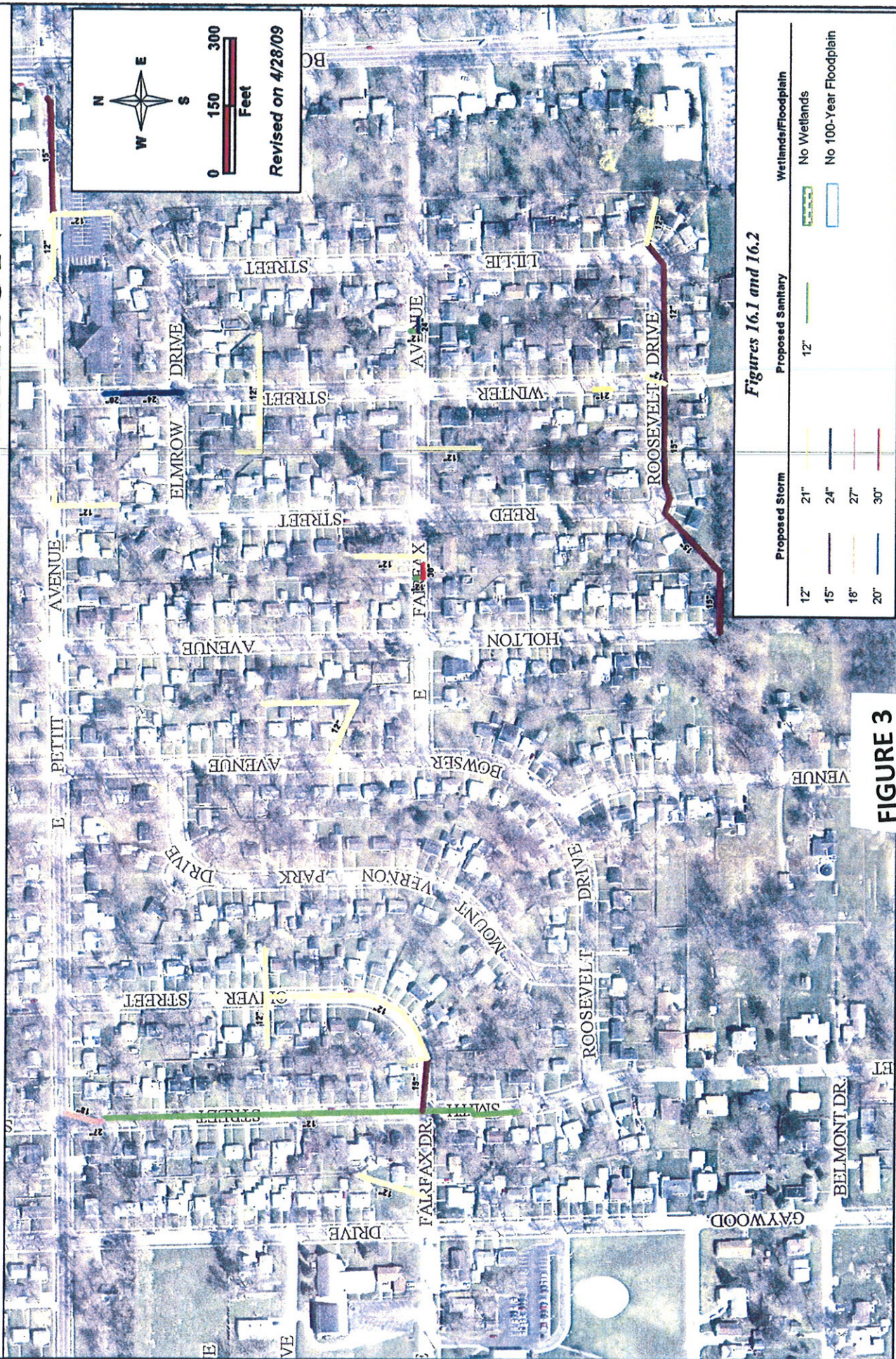


FIGURE 3

FIGURE 3



# PENN AVE AREA SEWER SEPARATION CSSCIP - PARTIAL SEPARATION

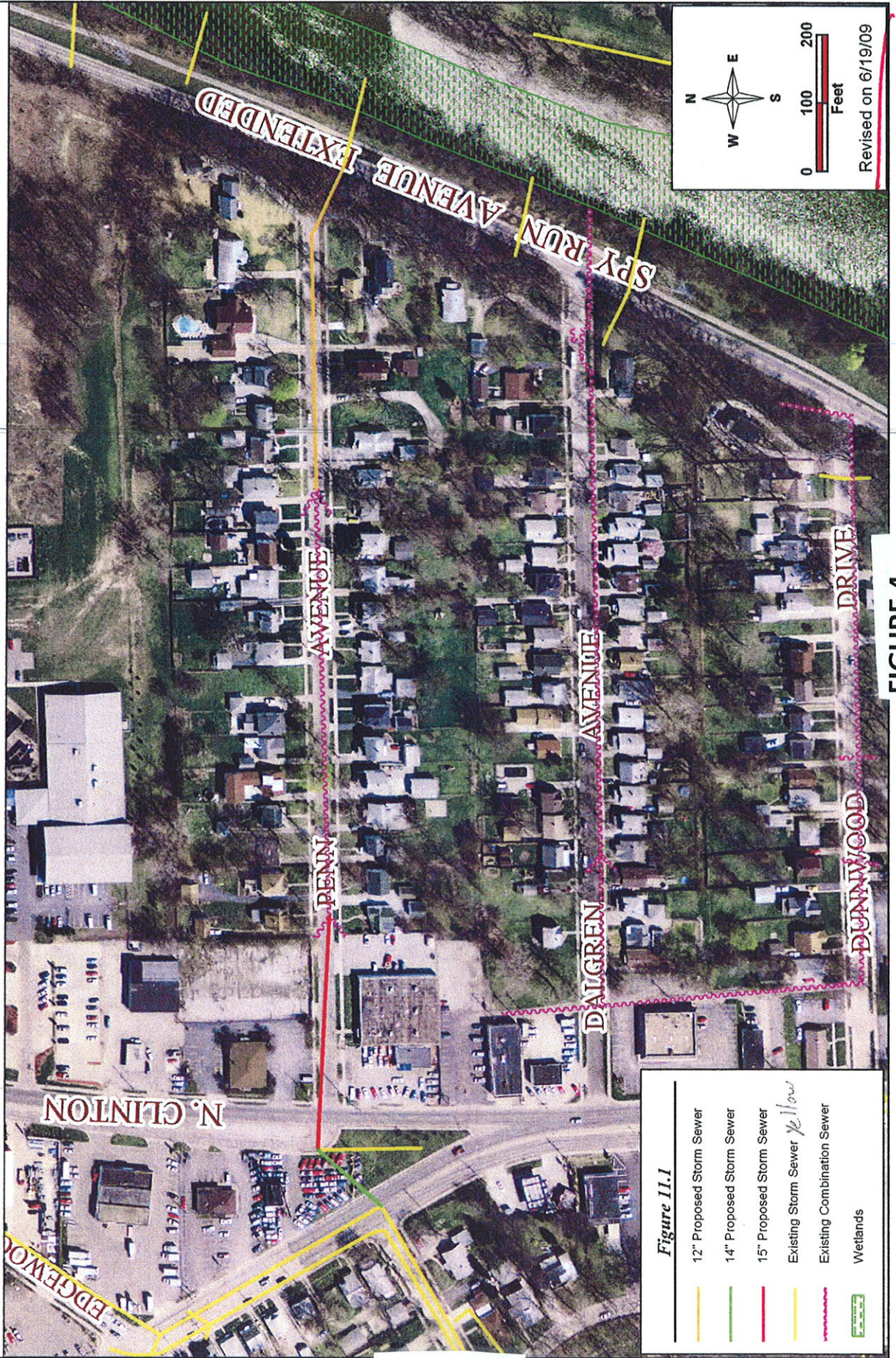


FIGURE 4

FIGURE 4



# SEWER REHABILITATION CMOM - CAPACITY ASSURANCE

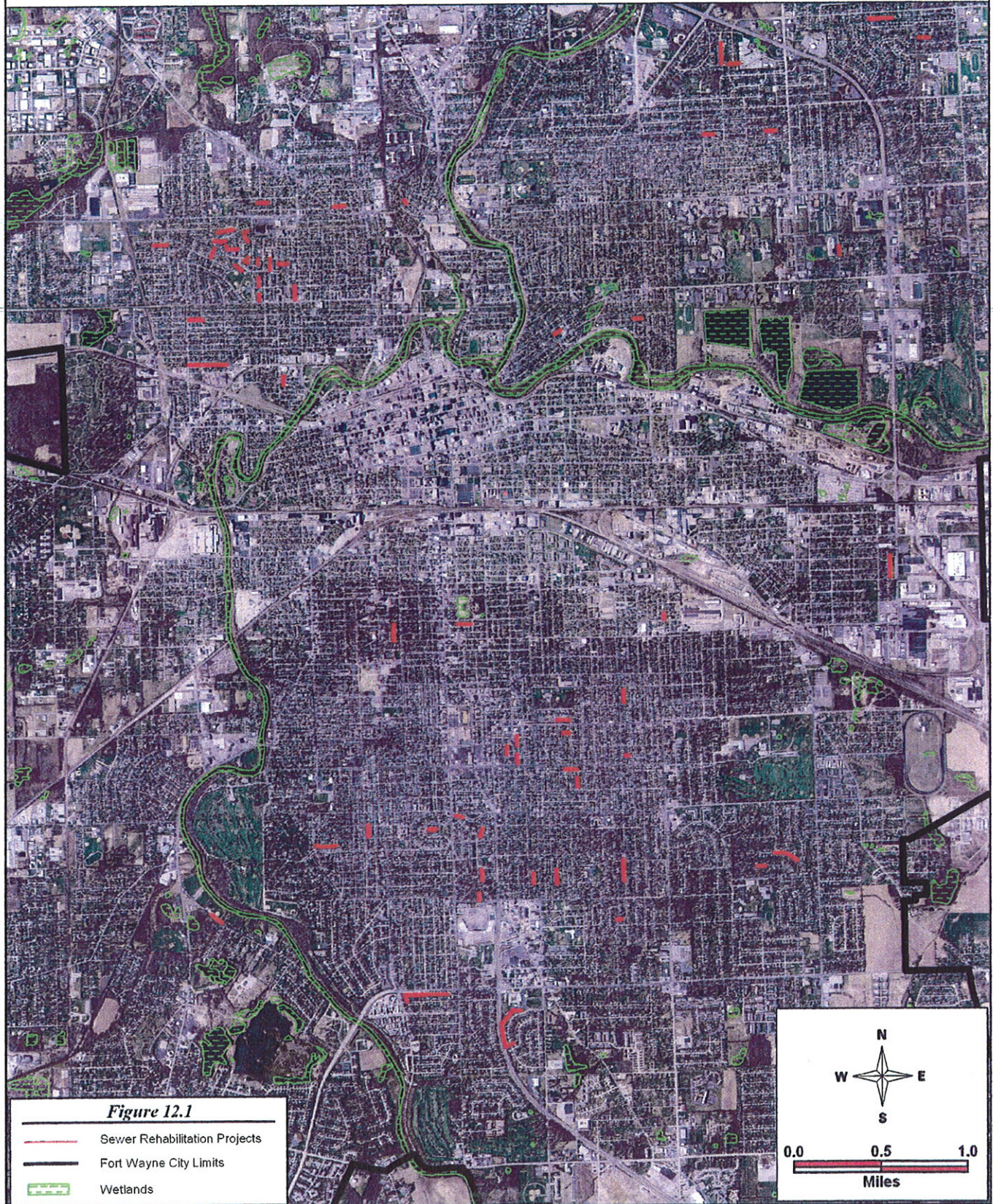
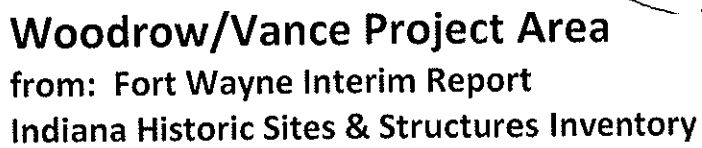


FIGURE 5

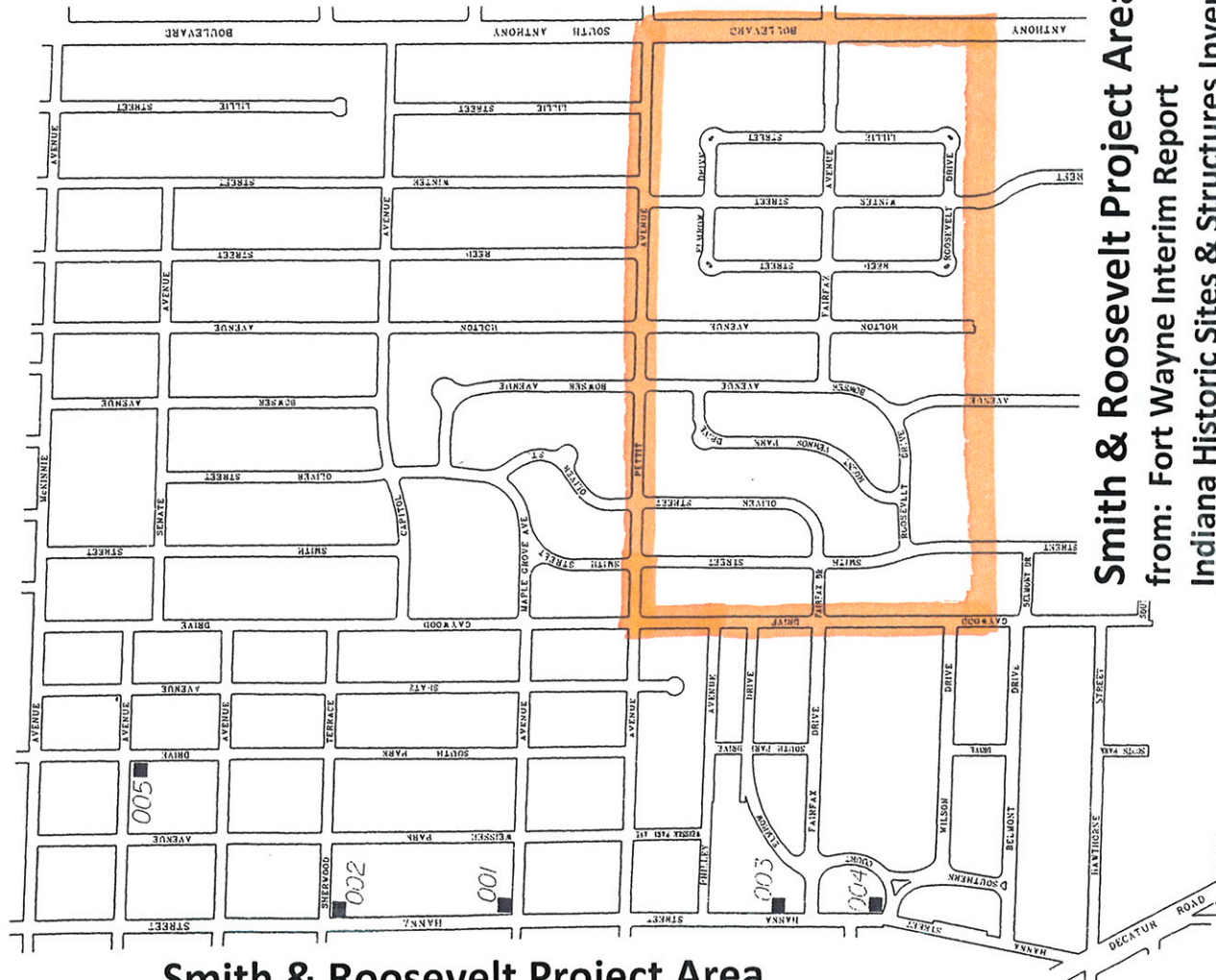




**FIGURE 6**

**Woodrow/Vance Project Area**  
**from: Fort Wayne Interim Report**  
**Indiana Historic Sites & Structures Inve**

# Sector 52 (003-214-52001/52005)



**Smith & Roosevelt Project Area**  
 from: Fort Wayne Interim Report  
 Indiana Historic Sites & Structures Inventory

**FIGURE 7**

No. Rtg. Description

001 N

House, 701 Maple Grove Ave.; Greek Revival/Italianate, c.1870; Architecture



52001

002 C

Zion Lutheran Church, 4601 Hanna St.; Craftsman, c.1929; Architecture, Religion

003 C

O.P. & Mary Shierling House, 5031 Hanna St.; Craftsman, c.1925; Architecture

004 C

House, 5215 Hanna St.; Craftsman, c.1925; Architecture

005 C

Leonard & Elva Pranger House, 4402 South Park Dr.; Craftsman Bungalow, c.1927; Architecture

**Smith & Roosevelt Project Area**  
 from: Fort Wayne Interim Report  
 Indiana Historic Sites & Structures Inventory

**FIGURE 7**

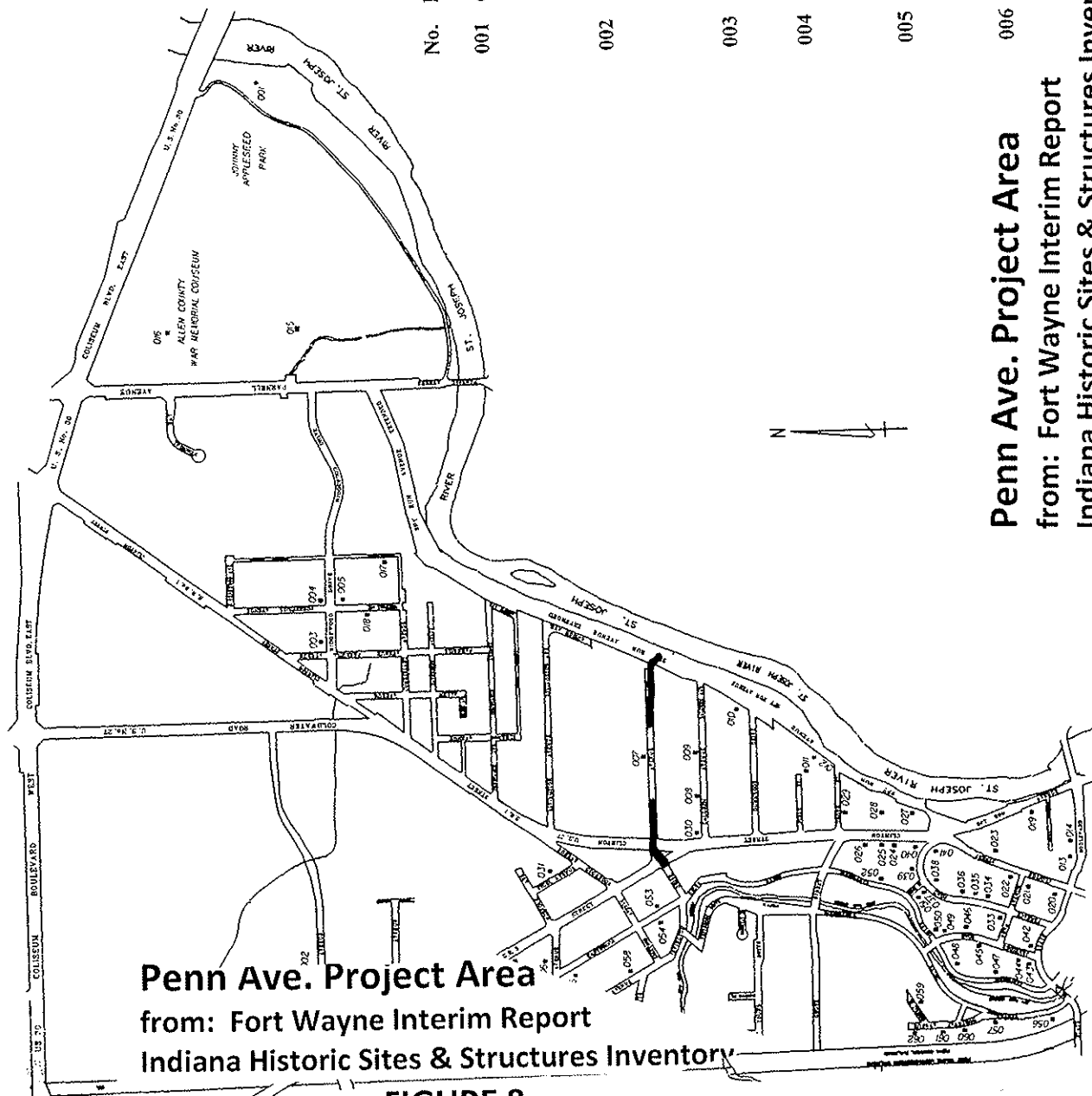


FIGURE 8

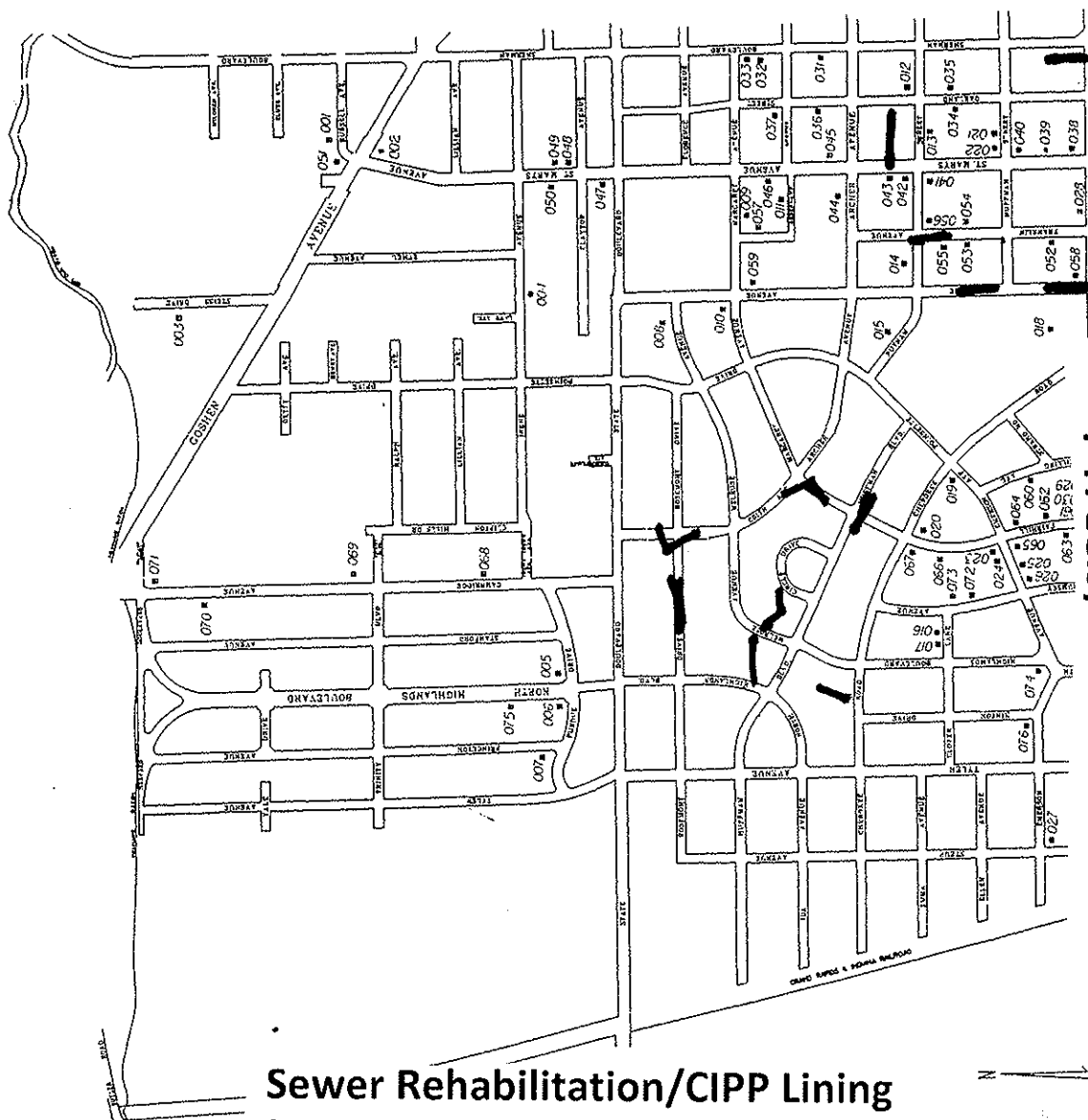
No.	Rtg.	Description
001	C	Vietnam War Memorial, 3900 Harry W. Baals Dr.; Military Tank, c.1955; War Memorial, 1968; Military, Social history (214)
002	C	House, 205 Fernhill Ave.; Vernacular, Craftsman/Tudor Revival, c.1930; Architecture, Vernacular/Construction (215)
003	C	House, 611 Ridgewood Dr.; Craftsman Bungalow, c.1930; Architecture (215)
004	N	Wayne Schlosser House, 705 Ridgewood Dr.; American Foursquare/ Craftsman, c.1927; Architecture (215)
005	C	Carl Bassett House, 706 Ridgewood Dr.; Craftsman Bungalow, c.1927; Architecture (215)
006	C	House, 215 Norfolk Ave.; Gabled-T/ Craftsman, c.1890/c.1930; Architecture, Vernacular/Construction (215)

**Penn Ave. Project Area**  
 from: Fort Wayne Interim Report  
 Indiana Historic Sites & Structures Inventory

FIGURE 8

# Sector 14 (003-215-14001/14076)

No.	Rtg.	Description
001	C	House, 1010 Russell Ave.; Craftsman Bungalow, c.1928; Architecture
002	N	A.C. Muntzing Furniture Co. Building, 1025 Goshen Ave.; Craftsman, c.1931 (A.M. Strauss, architect); Architecture, Commerce
003	C	Farm, 1230 Goshen Ave.; Gable-front house, English barn, outbuildings, c.1900; Agriculture, Vernacular/Construction
004	C	Earl R. Foltz House, 1209 Irene Ave.; Gable front, c.1915; Vernacular/Construction
005	C	House, 1744 Purdue Dr.; Tudor Revival cottage, c.1948; Architecture
006	C	House, 1802 Purdue Dr.; Minimal Traditional, c.1950; Architecture
007	C	House, 1832 Purdue Dr.; Tudor Revival/American Foursquare, c.1930; Architecture
008	N	House, 1314 Melrose Ave.; vernacular Tudor Revival, c.1940; Architecture, Vernacular/Construction
009	C	James Powell House, 1115 Margaret Ave.; Craftsman Bungalow, c.1925; Architecture
010	N	House, 1302 Margaret Ave.; Colonial Revival/Craftsman influence, c.1929; Architecture
011	C	Homer W. Haag House, 1104 Greenlawn Ave.; Craftsman Bungalow, c.1922; Architecture



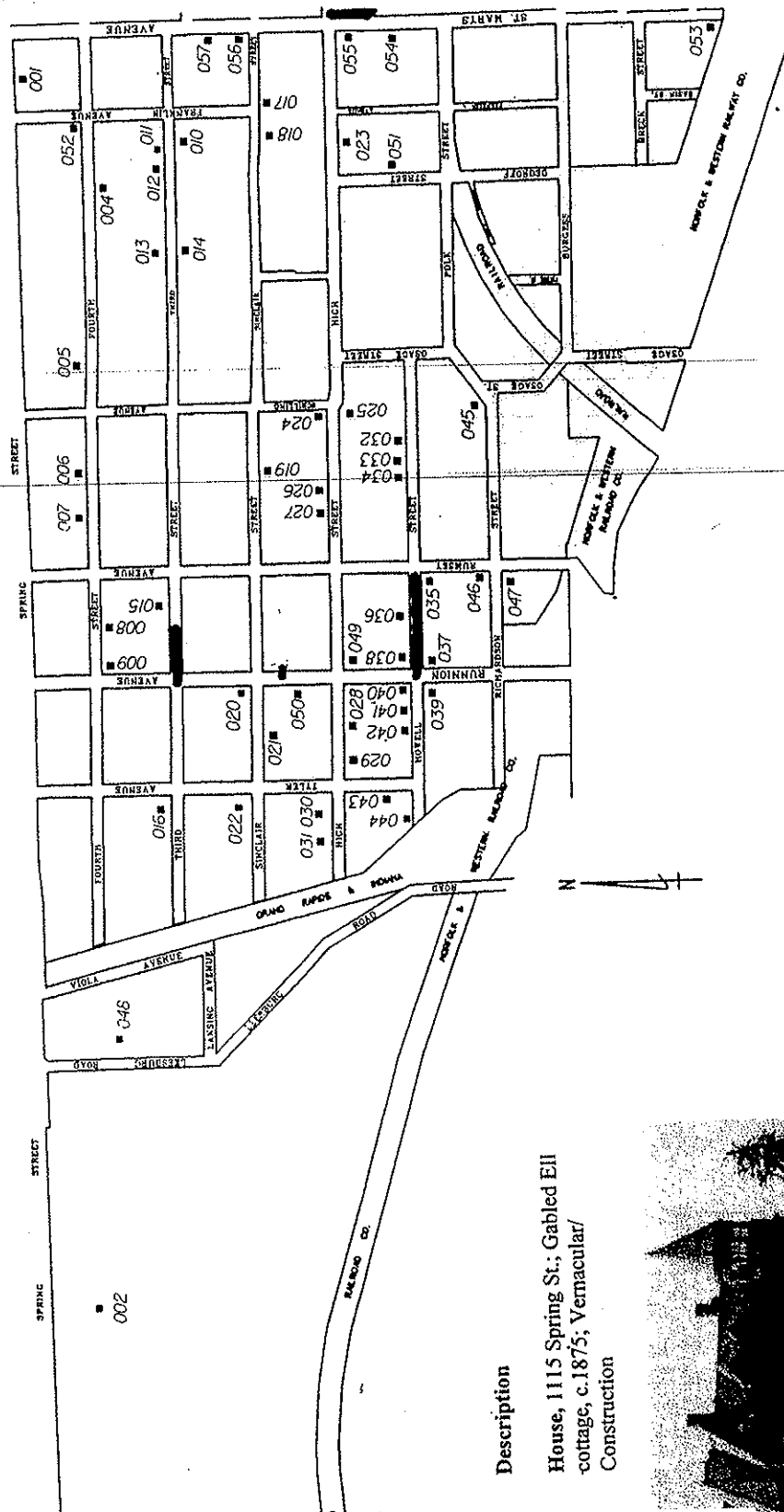
**Sewer Rehabilitation/CIPP Lining**  
 from: Fort Wayne Interim Report  
 Indiana Historic Sites & Structures Inventory

FIGURE 9A

FIGURE 9A

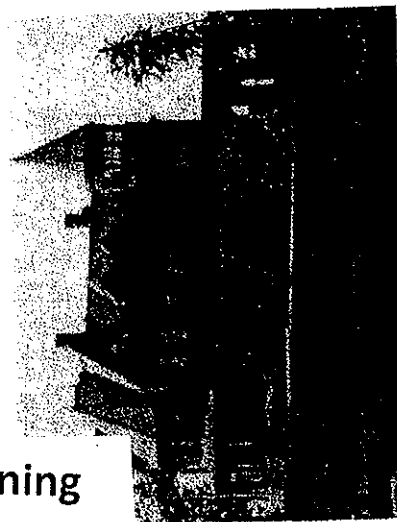
from: Fort Wayne Interim Report  
 Indiana Historic Sites & Structures Inventory

# Sector 19 (003-215-19001/19057)



**Sewer Rehabilitation/CIPP Lining**  
from: Fort Wayne Interim Report  
Indiana Historic Sites & Structures Inventory

**FIGURE 9b**



- |       |  |
|-------|--|
| 003 N | Brookside Caretaker's House, 3001 Spring St.; Queen Anne, c.1885; Architecture                   |
| 004 C | Irwin Neuffer House, 1309 Fourth St.; Craftsman Bungalow, c.1928; Architecture                   |
| 005 C | Mrs. Lindora Davis House, 1518 Fourth St.; Craftsman Bungalow, c.1925; Architecture              |
| 006 C | House, 1638 Fourth St.; Log-Park Rustic/Craftsman, c.1935; Architecture, Vernacular/Construction |
| 007 C | Roy Hanna House, 1646 Fourth St.; Craftsman Bungalow, c.1928; Architecture                       |
| 008 C | Harry Chrisman House, 1723 Fourth St.; Craftsman, c.1925; Architecture                           |

## Sewer Rehabilitation/CIPP Lining

from: Fort Wayne Interim Report  
Indiana Historic Sites & Structures Inventory

**FIGURE 9b**



# Sector 21

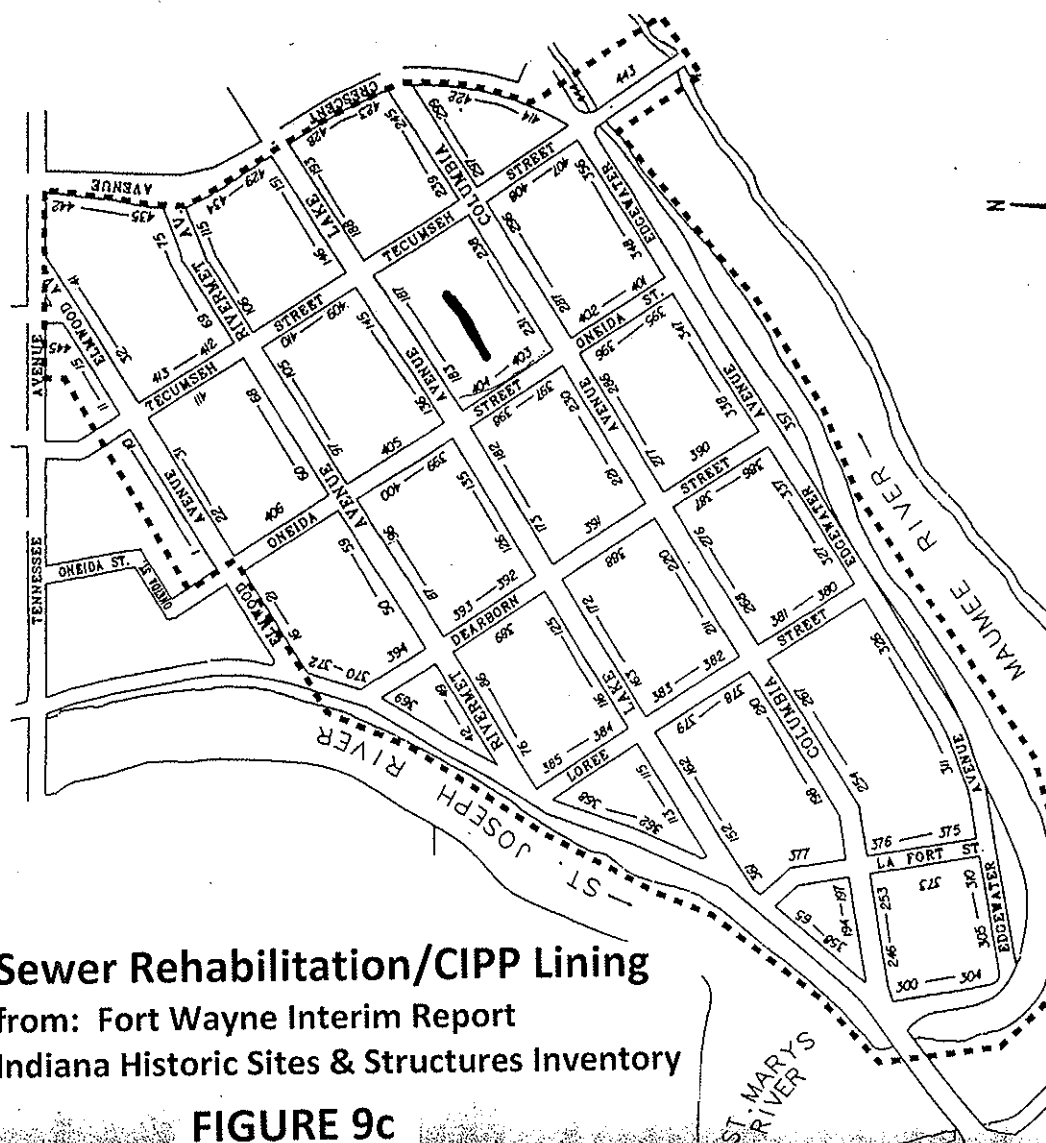
## Lakeside Potential Historic District (003-214/215-21001/21445)

**Sewer Rehabilitation/CIPP Lining**  
from: Fort Wayne Interim Report  
Indiana Historic Sites & Structures Inventory

**FIGURE 9c**

In 1890, the Fort Wayne Land and Improvement Company purchased a large tract of undeveloped land that formed a peninsula at the intersection of the St. Joseph, Maumee, and St. Mary's Rivers. Dikes were built along the river banks to protect the land from flooding, a street car line was extended through the area from downtown, and Fort Wayne's first suburb came into being. The majority of houses in this potential district were constructed between 1893 and 1920, and vary from large, two-story homes to one-story cottages representing the Queen Anne, Colonial Revival, Craftsman, and American Foursquare styles of architecture.

No. Add.	Description
Elmwood Ave. (North Side)	
001 1101	Harry Prochal House; Craftsman, c.1925 (C)
002 1107	House; Queen Anne/Gabled Ell, c.1905 (C)
003 1111	House; Queen Anne/Gabled Ell cottage, c.1905 (C)
004 1115	House; Queen Anne/Craftsman, c.1905/c.1925 (C)
005 1117	House; Queen Anne, c.1905 (C)
006 1121	House; Queen Anne/Gabled Ell cottage, c.1900 (N)
007 1125	House; Queen Anne cottage, c.1905 (C)
008 1129	House; Gable Front/Queen Anne, c.1895 (C)
009 1135	House; Queen Anne/Gabled Ell cottage, c.1905 (C)

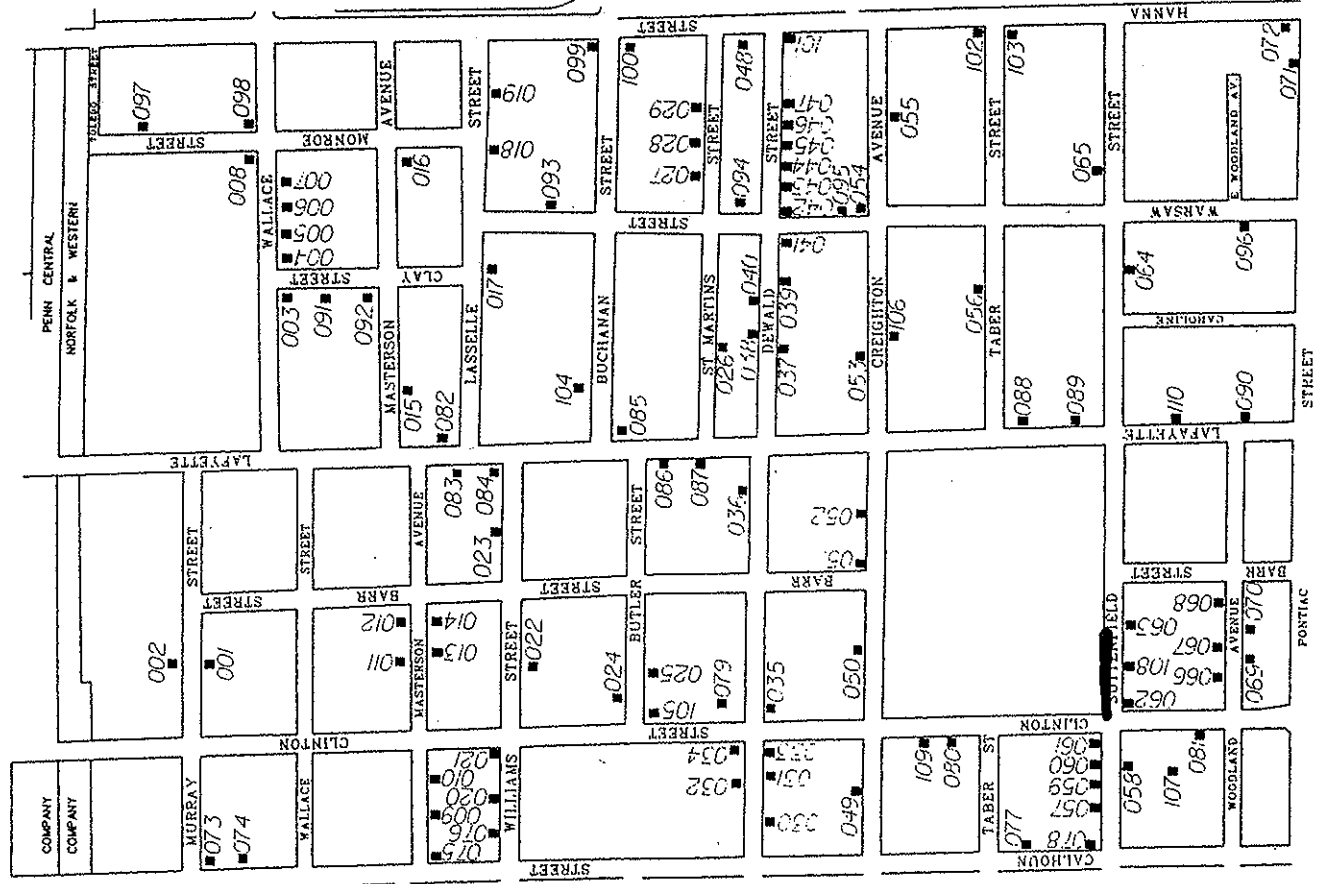


### Sewer Rehabilitation/CIPP Lining

from: Fort Wayne Interim Report  
Indiana Historic Sites & Structures Inventory

**FIGURE 9c**

# Sector 38 (003-215-38001-38110)



**Sewer Rehabilitation/CIPP Lining**  
 from: Fort Wayne Interim Report  
 Indiana Historic Sites & Structures Inventory

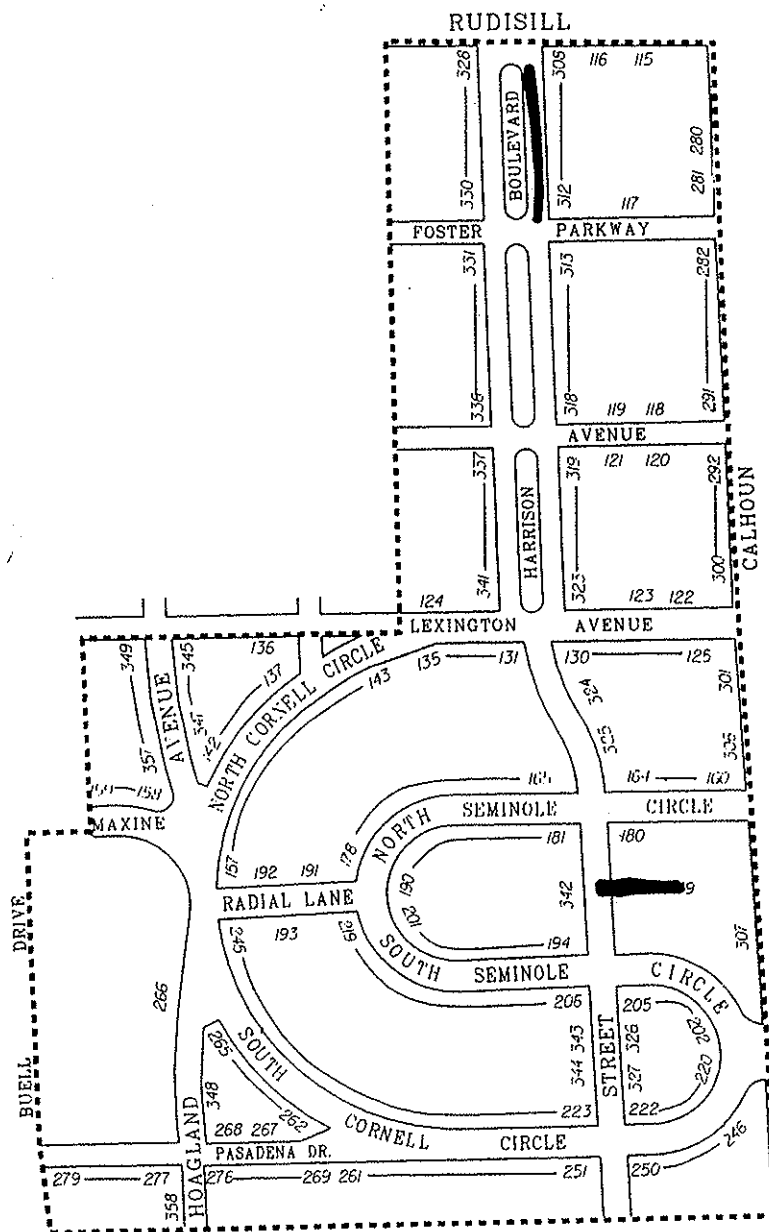
**FIGURE 9d**

No. Rtg.	Description
001 N	Olds Wagon Works, South 200 Block Murray St.; Italianate Industrial, c.1882 (George Trenam, architect); Architecture, Industry
002 C	Pioneer Coal Co., 217-241 Murray St.; Functional, c.1880; Architecture, Industry (Demolished)
003 C	House, 454 Wallace St.; Queen Anne, c.1890; Architecture (Demolished)
004 C	House, 508 Wallace St.; Gable-front, c.1880; Vernacular/Construction (Demolished)
005 C	House, 512 Wallace St.; Gable-front, c.1880; Vernacular/Construction (Demolished)
006 NC	House, 514 Wallace St.; Gable-front, c.1865; Vernacular/Construction
007 NC	House, 518 Wallace St.; Gable-front, c.1865; Vernacular/Construction
008 C	Commercial Bldg., 541 Wallace St.; Queen Anne, 1900; Architecture, Commerce
009 C	Home Telephone Co. South Branch, 112-116 E. Masterson Ave.; Neoclassical, c.1900; Architecture, Communications
010 N	House, 140 E. Masterson Ave.; Queen Anne, c.1890; Architecture (Demolished)

**Sewer Rehabilitation/CIPP Lining**  
 from: Fort Wayne Interim Report  
 Indiana Historic Sites & Structures Inventory  
**FIGURE 9d**

# Sector 43

## Harrison Hill Potential Historic District (003-215-43)



Harrison Hill is begun in 1915 by Albert Schaaf. The landscaped boulevard designed for motor areas; paved streets with markers. There are shapes to accommodate. Constructed between 1915 and 1920 to encompass all existing bungalows to late homes on the block.

No. Add. Dr.

W. Rudisill Blvd.

115 101 T  
T

116 119 A  
c.

W. Foster Parkway

117 116 H  
Q

W. Branning

118 112 C  
B

119 120 P  
F

W. Branning

120 109 V  
R

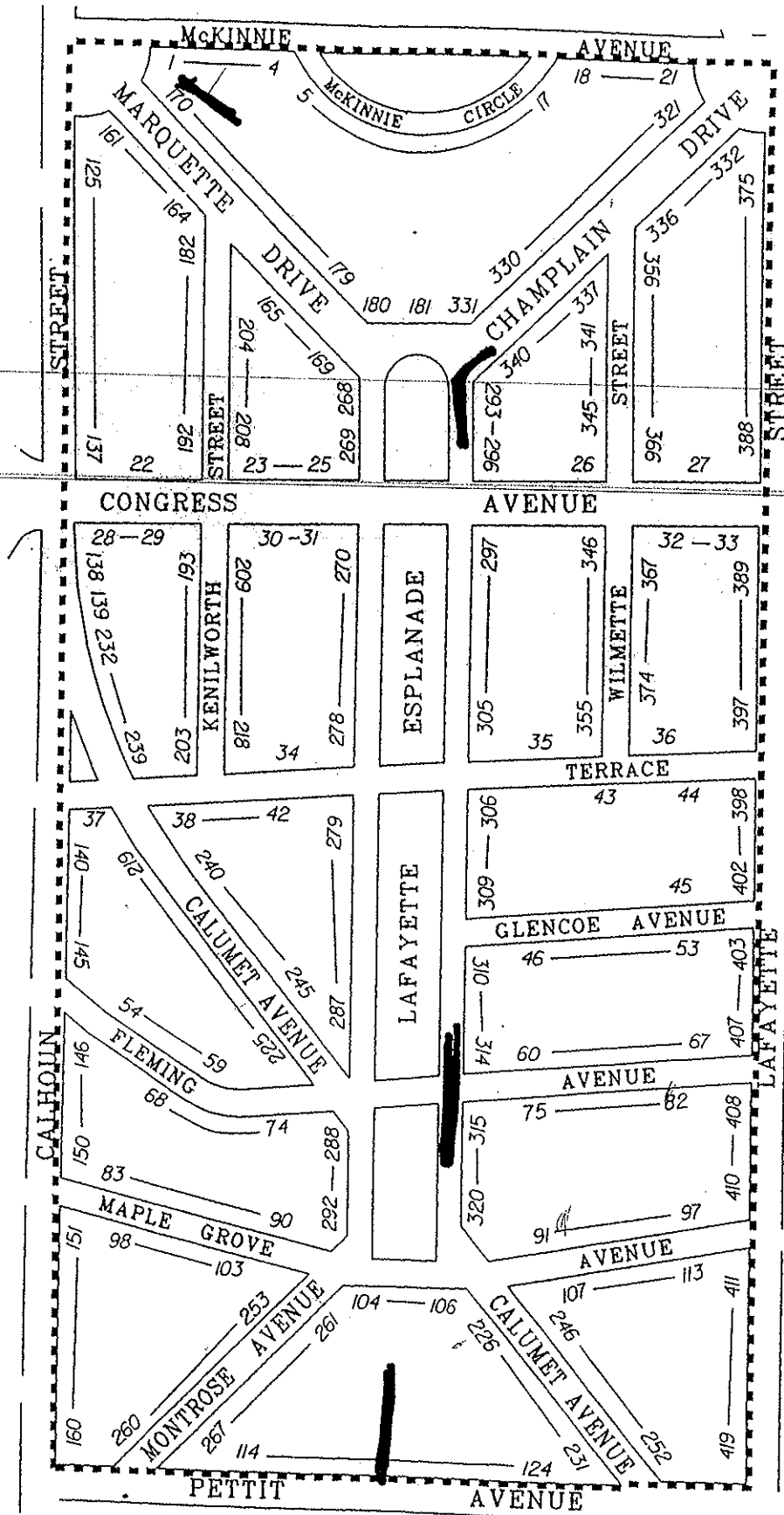
121 137 C  
R

**Sewer Rehabilitation/CIPP Lining**  
from: Fort Wayne Interim Report  
Indiana Historic Sites & Structures Inventory

FIGURE 9e

# Sector 51

## Lafayette Place Potential Historic District (003-215-51001/51419)



### Sewer Rehabilitation/CIPP Lining

from: Fort Wayne Interim Report

Indiana Historic Sites & Structures Inventory

FIGURE 9f

Sewer Rehabilitation/CIPP Lining  
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FIGURE 9f